

REMARKS

Claims 1-27 and 29-31 are pending, while claims 21, 22, 25, 26, and 29-31 are rejected, and claim 27 is objected to. Applicants cordially acknowledge that claims 1-20, 23, and 24 are allowed over the prior art and thank the Examiner for indication of the same. Applicants acknowledge the claims 21, 22, and 27 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, with respect to claims 21 and 22, while claim 27 would but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claims 21, 25, 26, and 31 have been amended, leaving claims 1-27 and 29-31 for consideration upon entry of the present amendment. No new matter has been added.

Claim Rejections -35 USC §112

Claims 21 and 22 stand rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. More specifically, claims 21 and 22 recite "the x-ray tube having an anode and a cathode disposed in the x-ray tube to provide a gap voltage therebetween". However, the Examiner states that as understood by persons skilled in the art, the gap voltage is generated by a power supply, not by the x-ray tube. Applicants have amended claim 21 from which claim 22 depends to recite -- the x-ray tube having an anode and a cathode disposed in the x-ray tube receptive to provide a gap voltage therebetween --.

The Examiner also states that there is no connection between the electrical energy and the gap voltage. Applicants have amended claim 21 to recite -- x-ray tube having an anode and a cathode disposed in the x-ray tube receptive to a gap voltage therebetween via said electrical energy from said power supply -- providing connection between "electrical energy" and gap voltage".

Accordingly, it is respectfully requested that the rejection to claims 21 and 22 be withdrawn.

Claim Rejections -35 USC §103

Claims 25, 26, 29, and 30 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Halavee (U. S. Patent No. 6,324,257 B1) in view of Beland (U. S. Patent No. 6,738,275 B1) and Ulaby. Applicants respectfully traverse.

Claim 25 has been amended to include the allowable subject matter indicated with respect to claim 27 and the reasons for allowance of the same. More specifically, the Examiner admits that the prior art "fails to teach or fairly suggest that each conductor is configured as a portion of a cylindrical wall disposed proximate a periphery of the cable as claimed."

Accordingly, it is respectfully submitted that claim 25, including claims depending therefrom, i.e., claims 26, 29 and 30, define over Halavee in view of Beland and Ulaby.

Claim 31 is rejected under 35 U.S.C. 103(a) as being unpatentable over Halavee (U. S. Patent No. 6,324,257 B1) in view of Fehre *et al.* (U. S. Patent No. 6,418,191 B1) and Ifleland (U.S. Patent No. 6,738,275 B1) and Ulaby. Applicants respectfully traverse.

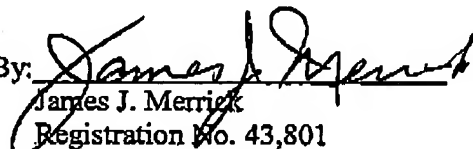
Claim 31 has been amended to include the allowable subject matter indicated with respect to claim 27 and the reasons for allowance of the same. More specifically, the Examiner admits that the prior art "fails to teach or fairly suggest that each conductor is configured as a portion of a cylindrical wall disposed proximate a periphery of the cable as claimed."

Conclusion

In view of the foregoing, it is respectfully submitted that the instant application is in condition for allowance. Accordingly, it is respectfully requested that this application be allowed and a Notice of Allowance issued. If the Examiner believes that a telephone conference with Applicants' attorneys would be advantageous to the disposition of this case, the Examiner is cordially requested to telephone the undersigned.

In the event the Commissioner of Patents and Trademarks deems additional fees to be due in connection with this application, Applicants' attorney hereby authorizes that such fees be charged to Deposit Account No. 07-0845 maintained by Applicants' Assignee.

Respectfully submitted,

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